

# 4-n-butyl-2,5-dimethyl-oxazole

<b>Other names:</b>	2,5-dimethyl-4-butyloxazole
<b>Inchi:</b>	InChI=1S/C9H15NO/c1-4-5-6-9-7(2)11-8(3)10-9/h4-6H2,1-3H3
<b>InchiKey:</b>	MRXQRKKZDKCDSE-UHFFFAOYSA-N
<b>Formula:</b>	C9H15NO
<b>SMILES:</b>	CCCCc1nc(C)oc1C
<b>Mol. weight [g/mol]:</b>	153.22

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.56		Crippen Method
logp	2.634		Crippen Method
mcvol	134.060	ml/mol	McGowan Method
rinpol	1082.00		NIST Webbook
ripol	1342.00		NIST Webbook
ripol	1342.00		NIST Webbook
ripol	1342.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R161334&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R161334&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices

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